

ATTACHMENT

RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 25	(Rev.WRC-03) Operation of global satellite systems for personal communications		SUP	Should be deleted, if not significantly revised – is quite outdated, especially given the breadth of mobile terrestrial cellular communications	
RES 26	(Rev.WRC-07) Footnotes to the Table of Frequency Allocations in Article 5 of the Radio Regulations		<u>NOC</u>		1.1
RES 27	(Rev.WRC-07) Use of incorporation by reference in the Radio Regulations		NOC	Recently updated.	2
	ANNEX 1 Principles of incorporation by reference		NOC		2
	ANNEX 2 Application of incorporation by reference		NOC		2
	ANNEX 3 Procedures applicable by WRC for approving the incorporation by reference of ITU-R Recommendations or parts there of		NOC		2
RES 28	(Rev.WRC-07) Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations		NOC		2
RES 33	(Rev.WRC-03) Bringing into use of space stations in the broadcasting-satellite service, prior to the entry into force of agreements and associated plans for the broadcasting-satellite service		NOC		
RES 34	(Rev.WRC-03) Establishment of the broadcasting-satellite service in Region 3 in the 12.5-12.75 GHz frequency band and sharing with space and terrestrial services in Regions 1, 2 and 3		NOC	Maintained by WRC-07 following intervention of BR and supported by CITEL and Arab Group: Some parts are still relevant	
RES 42	(Rev.WRC-03) Use of interim systems in Region 2 in the broadcasting-satellite and fixed-satellite (feeder-link) services in Region 2 for the bands covered by Appendices 30 and 30A		NOC		
	ANNEX		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 49	(Rev.WRC-07) Administrative due diligence applicable to some satellite radiocommunication services		<u>NOC</u>		7
	ANNEX 1		<u>NOC</u>		7
	ANNEX 2		<u>NOC</u>		7
RES 55	(WRC-2000) Temporary procedures for improving satellite network coordination and notification procedures		NOC		
RES 58	(WRC-2000) Transitional measures for coordination between certain specific geostationary fixed-satellite service receive earth stations and non-geostationary fixed-satellite service transmit space stations in the frequency bands 10.7-12.75 GHz, 17.8-18.6 GHz, and 19.7-20.2 GHz where efd ₁ limits apply		NOC		
	ANNEX 1		NOC		
RES 63	(Rev.WRC-07) Protection of radiocommunication services against interference caused by radiation from industrial, scientific and medical (ISM) equipment		MOD	May require consequential revision. Draft CPM text for this AI has a suggested revision to this Resolution (See page 4 of Doc. 1A/311, Annex 7.)	1.22
RES 72	(Rev.WRC-07) World and Regional preparations for world radiocommunication conferences		NOC		
RES 73	(Rev.WRC-2000) Measures to solve the incompatibility between the broadcasting-satellite service in Region 1 and the fixed-satellite service in Region 3 in the frequency band 12.2-12.5 GHz		NOC		
RES 74	(Rev.WRC-03) Process to keep the technical bases of Appendix 7 current		NOC	On-going consideration in SGs 1 and 3.	

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 75	(WRC-2000) Development of the technical basis for determining the coordination area for coordination of a receiving earth station in the space research service (deep space) with transmitting stations of high-density systems in the fixed service in the 31.8-32.3 GHz and 37-38 GHz bands		NOC		
RES 76	(WRC-2000) Protection of geostationary fixed-satellite service and geostationary broadcasting-satellite service networks from the maximum aggregate equivalent power flux-density produced by multiple non-geostationary fixed-satellite service systems in frequency bands where equivalent power flux-density limits have been adopted		NOC		
	ANNEX 1		NOC		
RES 80	(Rev.WRC-07) Due diligence in applying the principles embodied in the Constitution		NOC		8.1.3
	ANNEX 1		NOC		8.1.3
	ANNEX 2		NOC		8.1.3
RES 81	(WRC-2000) Evaluation of the administrative due diligence procedure for satellite networks		NOC		
RES 85	(WRC-03) Application of Article 22 of the Radio Regulations to the protection of geostationary fixed-satellite service and broadcasting-satellite service networks from non-geostationary fixed-satellite service systems		NOC		
RES 86	(WRC-07) Implementation of Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference		NOC		7
RES 95	(Rev.WRC-07) General review of the Resolutions and Recommendations of world administrative radio conferences and world radiocommunication conferences		NOC		4

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 111	(Orb-88) Planning of the fixed-satellite service in the bands 18.1-18.3 GHz, 18.3-20.2 GHz and 27-30 GHz		NOC		
RES 114	(Rev.WRC-03) Studies on compatibility between new systems of the aeronautical radionavigation service and the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the mobile-satellite service) in the frequency band 5 091-5 150 MHz		NOC	This Resolution is referred to in Nos. 5.444 and 5.444A. Also referred to by agenda item 2.2 in Res. 806 (WRC-07) – Doc. IWG-4/30r1 calls for NOC to this provision of Res. 806, and this proposal was sent to Nov. 2009 CITEL PCC.II meeting as Doc. CCPII-RADIO-2057	
RES 122	(Rev.WRC-07) Use of the bands 47.2-47.5 GHz and 47.9-48.2 GHz by high altitude platform stations in the fixed service and by other services		NOC		
RES 124	(Rev.WRC-2000) Protection of the fixed service in the frequency band 8 025-8 400 MHz sharing with geostationary-satellite systems of the Earth exploration-satellite service (space-to-Earth)		MOD Or SUP	Old information. Calls for a subsequent WRC to reconcile a discrepancy between pfd limits given in No. 5.462A and Rec. ITU-R F.1502, but this has not been acted upon in 10 years.	
RES 125	(WRC-97) Frequency sharing in the bands 1 610.6-1 613.8 MHz and 1 660-1 660.5 MHz between the mobile-satellite service and the radio astronomy service		NOC		
RES 136	(Rev.WRC-03) Frequency sharing in the range 37.5-50.2 GHz between geostationary fixed-satellite service networks and non-geostationary fixed-satellite service systems		NOC		
RES 140	(WRC-03) Measures and studies associated with the equivalent power flux-density (epfd) limits in the band 19.7-20.2 GHz		NOC		
RES 142	(WRC-03) Transitional arrangements relating to use of the frequency band 11.7-12.2 GHz by geostationary-satellite networks in the fixed-satellite service in Region 2		NOC		
RES 143	(Rev.WRC-07) Guidelines for the implementation of high-density applications in the fixed-satellite service in frequency bands identified for these applications		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 144	(Rev.WRC-07) Special requirements of geographically small or narrow countries operating earth stations in the fixed-satellite service in the band 13.75-14 GHz		NOC		
RES 145	(Rev.WRC-07) Use of the bands 27.9-28.2 GHz and 31-31.3 GHz by high altitude platform stations in the fixed service		NOC		
RES 147	(WRC-07) Power flux-density limits for certain systems in the fixed-satellite service using highly-inclined orbits having an apogee altitude greater than 18 000 km and an orbital inclination between 35° and 145° in the band 17.7-19.7 GHz		NOC		
RES 148	(WRC-07) Satellite systems formerly listed in Part B of the Plan of Appendix 30B (WARC Orb-88)		NOC		
RES 205	(Rev.Mob-87) Protection of the band 406-406.1 MHz allocated to the mobile-satellite service		MOD	Appears outdated as –ITU-R Rec.604 (Rev Mob -83) to which it refers has been abrogated. Additionally No. 5.266 and 5.267 appear to fully address the issues concerning 406-406.1 MHz.	
RES 207	(Rev.WRC-07) Measures to address unauthorized use of and interference to frequencies in the bands allocated to the maritime mobile service and to the aeronautical mobile @ service		NOC		
	ANNEX Interference mitigation techniques		NOC		
RES 212	(Rev.WRC-07) Implementation of International Mobile Telecommunications in the bands 1 885 – 2 025 MHz and 2 110 – 2 200 MHz		NOC	This Resolution is referred to in Nos. 5.351A and 5.388 .	
RES 215	(Rev.WRC-97) Coordination process among mobile-satellite systems and efficient use of the allocations to the mobile-satellite service in the 1-3 GHz range		NOC		
RES 217	(WRC-97) Implementation of wind profiler radars		NOC	This Resolution is referred to in Nos. 5.162A and 5.291A	

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 221	(Rev.WRC-07) Use of high altitude platform stations providing IMT in the bands 1 885-1 980 MHz, 2 010-2 025 MHz and 2 110-2 170 MHz in Regions 1 and 3 and 1 885-1 980 MHz and 2 110-2 160 MHz in Region 2		NOC	This Resolution is referred to in No. 5.388A .	
	ANNEX Characteristics of a HAPS operating as an IMT base station in the frequency bands given in RES 221 (Rev.WRC-07)		NOC		
RES 222	(Rev.WRC-07) Use of the bands 1 525-1 559 MHz and 1 626.5-1 660.5 MHz by the mobile-satellite service and studies to ensure long-term spectrum availability for the aeronautical mobile-satellite (R) service		MOD	This Resolution is referred to in Nos. 5.353A and 5.357A	1.7
RES 223	(Rev.WRC-07) Additional frequency bands identified for IMT		NOC	This Resolution is referred to in Nos. 5.384A and 5.388 .	
RES 224	(Rev.WRC-07) Frequency bands for the terrestrial component of International Mobile Telecommunications below 1 GHz		NOC	This Resolution is referred to in No. 5.317A .	
RES 225	(Rev.WRC-07) Use of additional frequency bands for the satellite component of IMT		NOC		
RES 229	(WRC-03) Use of the bands 5 150-5 250 MHz, 5 250-5 350 MHz and 5 470-5 725 MHz by the mobile service for the implementation of wireless access systems including radio local area networks		NOC	This Resolution is referred to in Nos. 5.446A , 5.447 and 5.453 .	
RES 231	(WRC-07) Additional allocations to the mobile-satellite service with particular focus on the bands between 4 GHz and 16 GHz		NOC		1.25
RES 331	(Rev.WRC-07) Transition to the Global Maritime Distress and Safety System (GMDSS)		NOC		
RES 339	(Rev.WRC-03) Coordination of NAVTEX services		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 342	(Rev.WRC-2000) New technologies to provide improved efficiency in the use of the band 156-174 MHz by stations in the maritime mobile service		NOC	May require suppression as consequence of AII.10 action.	
RES 343	(WRC-97) Maritime certification for personnel of ship stations and ship earth stations for which a radio installation is not compulsory		NOC		
	ANNEX Examination syllabus for radio operator's certificates appropriate to vessels using the frequencies and techniques of the Global Maritime Distress and Safety System on a non-compulsory basis		NOC		
RES 344	(Rev.WRC-03) Management of the maritime mobile service identity numbering resource		NOC	Note: Revision of Recommendation ITU-R M.585 and review in 2015	
RES 345	(WRC-97) Operation of Global Maritime Distress and Safety System equipment on and assignment of maritime mobile service identities to non-compulsory fitted vessels		NOC		
RES 349	(WRC-97) Operational procedures for cancelling false distress alerts in the Global Maritime Distress and Safety System		NOC		
	ANNEX Cancelling of false distress alerts		NOC		
RES 351	(Rev. WRC-07) Review of the frequency and channel arrangements in the HF bands allocated to the maritime mobile service contained in Appendix 17 with a view to improving efficiency through the use of new digital technology by the maritime mobile service		SUP	Consequential suppression	1.9
RES 352	(WRC-03) Use of the carrier frequencies 12 290 kHz and 16 420 kHz for safety-related calling to and from rescue coordination centers		NOC		
RES 354	(WRC-07) Distress and safety radiotelephony procedures for 2 182 MHz		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
	ANNEX		NOC		
RES 355	(WRC-07) Content, format and periodicity of the maritime related service publications		NOC		
RES 356	(WRC-07) ITU maritime service information registration		NOC		
RES 357	(WRC-07) Consideration of regulatory provisions and spectrum allocations for use by enhanced maritime safety systems for ships and ports		MOD	Consequential revision. Linked with RES.342 and RES.351.	1.10
RES 405	Relating to the use of frequencies of the aeronautical mobile (R) service		NOC		
RES 413	(Rev. WRC-07) Use of the band 108-117.975 MHz by aeronautical mobile (R) service		MOD	Consequential revision. This Resolution is referred to in No. 5.197A.	1.4
RES 416	(WRC-07) Use of the bands 4 400 – 4 940 MHz and 5 925 – 6 700 MHz by an aeronautical mobile telemetry application in the mobile service		NOC	Maintain.	
RES 417	(WRC-07) Use of the band 960-1 164 MHz by the aeronautical mobile (R) service		NOC		1.4
RES 418	(WRC-07) Use of the band 5 091 – 5 250 MHz by the aeronautical mobile service for telemetry applications		NOC		
	ANNEX		NOC		
RES 419	(WRC-07) Considerations for the use of the band 5 091 – 5 150 MHz by the aeronautical mobile service for certain aeronautical applications		NOC		
RES 420	(WRC-07) Consideration of the frequency bands between 5 000 and 5 030 MHz for aeronautical mobile (R) service surface applications at airports		SUP	Consequential suppression.	1.4

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 421	(WRC-07) Consideration of appropriate regulatory provisions for the operation of unmanned aircraft systems		NOC		1.3
RES 506	(Rev.WRC-97) Use by space stations in the broadcasting-satellite service operating in the 12 GHz frequency bands allocated to the broadcasting-satellite service of the geostationary-satellite orbit and no other		NOC		
RES 507	(Rev.WRC-03) Establishment of agreements and associated plans for the broadcasting-satellite service		NOC		
RES 517	(Rev.WRC-07) Introduction of digitally modulated emissions in the high-frequency bands between 3 200 kHz and 26 100 kHz allocated to the broadcasting service		NOC		
RES 525	(Rev.WRC-07) Introduction of high-definition television systems of the broadcasting-satellite service in the band 21.4 -22.0 GHz in Regions 1 and 3		SUP	PER USPR-1.13 CITEL dated 15 Oct 2009 A reference is made to this Resolution in No.5.530.	1.13
	ANNEX Interim procedures for the introduction of BSS (HDTV) systems in the band 21.4-22.0 GHz in Regions 1 and 3		SUP		1.13
RES 526	(WARC-92) Future adoption of procedures to ensure flexibility in the use of the frequency band allocated to the broadcasting-satellite service (BSS) for wide RF-band high-definition television (HDTV) and to the associated feeder links		MOD or SUP	This resolution will be twenty years old and still not on the agenda. Should be added to WRC-15 agenda or revised/abrogated.	
RES 528	(Rev.WRC-03) Introduction of the broadcasting-satellite service (sound) systems and complementary terrestrial broadcasting in the bands allocated to these services within the range 1-3 GHz		MOD	This Resolution is referred to in Nos. 5.417A and 5.418. A former version of this Resolution is referred to in Nos. 5.345 and 5.393.	
RES 533	(Rev.WRC-2000) Implementation of the decisions of WRC-2000 relating to processing of proposed networks submitted under Articles 4, 6 and 7 of Appendices 30 and 30A to the Radio Regulations		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 535	(Rev.WRC-03) Information needed for the application of Article 12 of the Radio Regulations		NOC		
	ANNEX		NOC		
RES 539	(Rev.WRC-03) Use of the band 2 605-2 655 MHz in certain Region 3 countries by non-geostationary satellite systems in the broadcasting-satellite service (sound)		NOC	This Resolution is referred to in Nos. 5.417A and 5.418 .	
RES 543	(WRC-03) Provisional RF protection ratio values for analogue and digitally modulated emissions in the HF broadcasting service		NOC		
	ANNEX		NOC		
RES 546	(WRC-03) Implementation of the decisions of WRC-03 relating to processing of networks under Appendices 30 and 30A of the Radio Regulations		NOC		
RES 547	(Rev. WRC-07) Updating of the "Remarks" columns in the Tables of Article 9A of Appendix 30A and Article 11 of Appendix 30 of the Radio Regulations		NOC		
RES 548	(WRC-03) Application of the grouping concept in Appendices 30 and 30A in Regions 1 and 3		NOC		
RES 549	(WRC-07) Use of the frequency band 620 – 790 MHz for existing assignments to stations of the broadcasting satellite service		NOC		
RES 550	(WRC-07) Information relating to the high-frequency broadcasting service		NOC		
RES 551	(WRC-07) use of the band '21.4 – 22 GHz for broadcasting-satellite service and associated feeder link bands in Regions 1 and 3		NOC		1.13
RES 608	(WRC-03) Use of the frequency band 1 215-1 300 MHz by systems of the radionavigation-satellite service (space-to-Earth)		NOC	This Resolution is referred to in No. 5.329 .	

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 609	(Rev.WRC-07) Protection of aeronautical radionavigation service systems from the equivalent power flux-density produced by radionavigation-satellite service networks and systems in the 1 164-1 215 MHz frequency band		NOC	This Resolution is referred to in No. 5.328A .	
	ANNEX Criteria for application of RES 609 (Rev.WRC-07)		NOC		
RES 610	(WRC-03) Coordination and bilateral resolution of technical compatibility issues for radionavigation-satellite service networks and systems in the bands 1 164-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 MHz		NOC	This Resolution is referred to in No. 5.328B .	
	ANNEX Criteria for application of RES 610 (WRC-03)		NOC		
RES 611	(WRC-07) Use of portion of the VHF-Band by the radiolocation service		SUP	Consequential suppression as required by US proposal for AI 1.14.	1.14
RES 612	(WRC-07) Use of the radiolocation service between 3 and 50 MHz to support high-frequency oceanographic radar operations		NOC		1.15
RES 613	(WRC-07) Global primary allocation to the radiodetermination-satellite service in the frequency band 2483.5 – 2500 MHz		NOC		1.18
RES 614	(WRC-07) Use of the band 15.4-15.7 GHz by the radiolocation service		SUP	Consequential suppression as required by US proposal for AI 1.21.	1.21
RES 641	(Rev.HFBC-87) Use of the frequency band 7 000-7 100 kHz		NOC		
RES 642	Relating to the bringing into use of earth stations in the amateur-satellite service		NOC		
RES 644	(Rev.WRC-07) Radiocommunication resources for early warning, disaster mitigation and relief operations		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 646	(WRC-03) Public protection and disaster relief		NOC		
RES 647	(WRC-07) Spectrum management guidelines for emergency and disaster relief radiocommunication		NOC		
RES 671	(WRC-07) Recognition of systems in the meteorological aids service in the frequency range below 20 kHz		NOC		1.16
RES 672	(WRC-07) Extension of the allocation to the meteorological satellite service in the band 7 750 – 7 850 MHz		SUP	Per USPR 1.24 CITEL dated 15 Oct 2009	1.24
RES 673	(WRC-07) Radiocommunications use of Earth observation applications		NOC		
RES 703	(Rev.WRC-07) Calculation methods and interference criteria recommended by ITU-R for sharing frequency bands between space radiocommunication and terrestrial radiocommunication services or between space radiocommunication services		NOC		
RES 705	(Mob-87) Mutual protection of radio services operating in the band 70-130 kHz		NOC		
RES 716	(Rev.WRC-2000) Use of the frequency bands 1 980-2 010 MHz and 2 170-2 200 MHz in all three Regions and 2 010-2 025 MHz and 2 160-2 170 MHz in Region 2 by the fixed and mobile-satellite services and associated transition arrangements		NOC	A former version of this Resolution is referred to in Nos. 5.389A, 5.389C and 5.390.	
RES 729	(Rev.WRC-07) Use of frequency adaptive systems in the MF and HF bands		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 731	(WRC-2000) Consideration by a future competent world radiocommunication conference of issues dealing with sharing and adjacent-band compatibility between passive and active services above 71 GHz		<u>NOC</u>		1.8
RES 732	(WRC-2000) Consideration by a future competent world radiocommunication conference of issues dealing with sharing between active services above 71 GHz		<u>NOC</u>		1.8
RES 734	(Rev.WRC-07) Studies for spectrum identification for gateway links for high altitude platform stations in the range from 5 850 to 7 500 MHz		NOC		1.20
RES 739	(Rev.WRC-07) Compatibility between the radio astronomy service and the active space services in certain adjacent and nearby frequency bands		NOC	This Resolution is referred to in No. 5.347A .	
	ANNEX 1 Unwanted emission threshold levels		NOC		
RES 741	(WRC-03) Protection of the radio astronomy service in the band 4 990-5 000 MHz from unwanted emissions of the radionavigation-satellite service (space-to-Earth) operating in the frequency band 5 010-5 030 MHz		NOC	This Resolution is referred to in No. 5.443B .	
RES 743	(WRC-03) Protection of single-dish radio astronomy stations in Region 2 in the 42.5-43.5 GHz band		NOC	This Resolution is referred to in Nos. 5.551H and 5.551I .	
RES 744	(Rev.WRC-07) Sharing between the mobile-satellite service (Earth-to-space) and the fixed and mobile services in the band 1 668.4-1 675 MHz		NOC		
RES 748	(WRC-07) Compatibility between the aeronautical mobile (R) service and the fixed-satellite service (Earth-to-space) in the band 5 091 – 5 150 MHz		NOC	Referred to in Res. 418 and Res. 419. Res. 748 in turn refers to Res. 114.	
RES 749	(WRC-07) Studies on the use of the band 790-862 MHz by mobile applications and by other services		<u>NOC</u>		1.17
RES 750	(WRC-07) Compatibility between the Earth exploration-satellite service (passive) and relevant active services		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 751	(WRC-07) Use of the frequency band 10.6-10.68 GHz		NOC		
	ANNEX Sharing criteria in the band 10.6-10.68 GHz		NOC		
RES 752	(WRC-07) Use of the frequency band 36-37 GHz		NOC		
	ANNEX Sharing criteria in the band 36-37 GHz		NOC		
RES 753	(WRC-07) Use of the band 22.55 – 23.15 GHz by the space research service		SUP	Consequential Suppression	1.11
RES 754	(WRC-07) Consideration of modification of the aeronautical component of the mobile service allocation in the 37-38 GHz band for protection of other primary services in the band		SUP	Consequential Suppression	1.12
RES 804	(WRC-07) Principles for establishing agendas for world radiocommunication conferences		<u>NOC</u>		
	ANNEX 1 Principles for establishing agendas for WRCs		<u>NOC</u>		
	ANNEX 2 Template for the submission of proposals for agenda items		<u>NOC</u>		
RES 805	(WRC-07) Agenda for the 2011 World Radiocommunication Conference		SUP	Consequential Suppression	
RES 806	(WRC-07) Preliminary agenda for the 2015 World Radiocommunication Conference		NOC	A new Resolution will be developed during WRC-11, containing the agenda for WRC-15	8.2
RES 900	(WRC-03) Review of the Rule of Procedure for No. 9.35 of the Radio Regulations		NOC	This resolution has been implemented and the Rule of Procedure for No. 9.35 of the Radio Regulations has been suppressed (2005).	
	ANNEX Procedure to be used by the Radiocommunication Bureau for networks examined under the Rule of Procedure on No. 9.35		NOC		

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RESOLUTION		FCC	NTIA	Comments	WRC-12 Agenda Item
RES 901	(Rev.WRC-07) Determination of the orbital arc separation for which coordination would be required between two satellite networks operating in a space service not subject to a Plan		NOC		
RES 902	(WRC-03) Provisions relating to earth stations located on board vessels which operate in fixed-satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz		NOC	This Resolution is referred to in Nos. 5.457A , 5.457B , 5.506A and 5.506B .	
	ANNEX 1 Regulatory and operational provisions for ESVs transmitting in the 5 925-6 425 MHz and 14-14.5 GHz bands		NOC		
	ANNEX 2 Technical limitations applicable to ESVs transmitting in the bands 5 925-6 425 MHz and 14-14.5 GHz		NOC		
RES 903	(WRC-07) Transitional measures for certain broadcasting satellite / FSS systems in the band 2 500 – 2 620 MHz		NOC		
RES 904	(WRC-07) Transitional measure for coordination between Mobile-Satellite Service (Earth-to-space) and the space research (passive) service in the band 1 668 – 1 668.4 Mhz for a specific case		NOC		
RES 905	(WRC-07) Date of entry into force of certain provisions of the RR relating to the non-payment of cost recovery fees		NOC		
RES 906	(WRC-07) Submission of notices for terrestrial services to the Radiocommunication Bureau		NOC		
RES 950	(Rev.WRC-07) Consideration of the use of the frequencies between 275 and 3 000 GHz		SUP	Consequential Suppression	1.6
RES 951	(Rev.WRC-07) Enhancing the international spectrum regulatory framework		SUP		1.2

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	ANNEX 1 Options for enhancing the international spectrum regulatory framework		SUP		1.2
	ANNEX 2 Guidelines for implementing this resolution		SUP		1.2
RES 953	(WRC-07) Protection of radiocommunication services from emissions by short-range radio devices		SUP		1.22
RES 954	(WRC-07) Harmonisation of spectrum for use by terrestrial electronic news gathering systems		SUP		1.5
RES 955	(WRC-07) Consideration of procedures for free-space optical links		SUP		1.6
RES 956	(WRC-07) Regulatory measures and their relevance to enable the introduction of software-defined radio and cognitive radio systems		SUP		1.19

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RECOMMENDATION		FCC	NTIA	Comments	WRC-12 Agenda Item
REC 7	(Rev.WRC-97) Adoption of standard forms for ship station and ship earth station licences and aircraft station and aircraft earth station licences		NOC		
	ANNEX 1 Principles for the formulation of standard ship and aircraft station licences		NOC		
	ANNEX 2		NOC		
	ANNEX 3		NOC		
REC 8	Relating to automatic identification of stations		NOC		
REC 9	Relating to the measures to be taken to prevent the operation of broadcasting stations on board ships or aircraft outside national territories		NOC		
REC 34	(WRC-95) Principles for the allocation of frequency bands		NOC		1.2
REC 36	(WRC-97) Role of international monitoring in reducing apparent congestion in the use of orbit and spectrum resources		NOC		
REC 37	(WRC-03) Operational procedures for earth stations on board vessels (ESVs) use		NOC		
	ANNEX 1 Operational procedures for ESV use		NOC		

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RECOMMENDATION		FCC	NTIA	Comments	WRC-12 Agenda Item
REC 63	Relating to the provision of formulae and examples for the calculation of necessary bandwidths		NOC		
REC 71	Relating to the standardization of the technical and operational characteristics of radio equipment		NOC		8.1
REC 75	(WRC-03) Study of the boundary between the out-of-band and spurious domains of primary radars using magnetrons		NOC		8.1
REC 100	(Rev.WRC-03) Preferred frequency bands for systems using tropospheric scatter		NOC		
REC 104	(WRC-95) Development of power flux-density and equivalent isotropically radiated power limits to be met by feeder links of non-geostationary satellite networks in the mobile-satellite service for the protection of geostationary-satellite networks in the fixed-satellite service in bands where No. 22.2 of the Radio Regulations applies		NOC		
REC 206	(WRC-07) Consideration on the possible use of integrated mobile-satellite service and ground component systems in some frequency bands identified for the satellite component of International Mobile Telecommunications		NOC		

ATTACHMENT

RECOMMENDATION		FCC	NTIA	Comments	WRC-12 Agenda Item
REC 207	(WRC-07) Future IMT systems		NOC		
REC 316	(Rev.Mob-87) Use of ship earth stations within harbours and other waters under national jurisdiction		NOC		
REC 401	Relating to the efficient use of aeronautical mobile @ worldwide frequencies		NOC		
REC 503	(Rev.WRC-2000) High-frequency broadcasting		SUP		
REC 506	Relating to the harmonics of the fundamental frequency of broadcasting-satellite stations		NOC		
REC 520	(WARC-92) Elimination of HF broadcasting on frequencies outside the HF bands allocated to the broadcasting service		NOC		
REC 522	(WRC-97) Coordination of high-frequency broadcasting schedules in the bands allocated to the broadcasting service between 5 900 kHz and 26 100 kHz		NOC		
REC 608	(WRC-03) Guidelines for consultation meetings established in Resolution 609 (WRC-03)		NOC		
	ANNEX 1 List of RNSS system characteristics and format of the result of the aggregate epfd calculation to be provided to the Radiocommunication Bureau for publication for information		NOC		
REC 622	(WRC-97) Use of the frequency bands		NOC		

ATTACHMENT

RECOMMENDATION		FCC	NTIA	Comments	WRC-12 Agenda Item
	2 025-2 110 MHz and 2 200-2 290 MHz by the space research, space operation, Earth exploration-satellite, fixed and mobile services				
REC 707	Relating to the use of the frequency band 32-33 GHz shared between the inter-satellite service and the radionavigation service		NOC		
REC 724	(WRC-07) Use by civil aviation of frequency allocations on a primary basis to the fixed-satellite service		NOC		

Document WAC/110(08.03.11)

Ms. Mindel De La Torre
Chief of the International Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Ms. De La Torre:

The National Telecommunications and Information Administration (NTIA), on behalf of the Executive Branch agencies, approves the release of the attached Executive Branch proposal for WRC-12 agenda item 8.2. NTIA proposes a future conference agenda item on the feasibility of sharing between Earth exploration-satellite service (EESS) uplinks and existing services operating in the 7190-7235 MHz band.

NTIA considered the Federal agencies' input toward the development of U.S. proposals for WRC-12. NTIA forwards this package for your consideration, and for review by your WRC-12 Advisory Committee. Dr. Darlene Drazenovich is the primary contact from my staff.

Sincerely,

(Original Signed December 2, 2010)

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

UNITED STATES OF AMERICA
DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda Item 8.2: *to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, taking into account Resolution 806 (WRC-07)*

Background Information: The Earth exploration-satellite service (EESS) requires an additional Earth-to-space allocation in the frequency band 7 190 – 7 235 MHz because of congestion in the bands 2 025 – 2 110 MHz and 2 200 – 2 290 MHz. These bands currently support several hundred satellites, making coordination extremely difficult. This allocation, along with existing space-to-Earth allocations near 8 GHz, would also allow EESS satellites to employ a single transponder for both uplinks and downlinks, reducing design and launch costs.

Currently, no suitable Earth-to-space allocations are available for tracking, telemetry and control (TT&C) of EESS satellites at frequencies higher than the 2 025 – 2 110 MHz global allocation. Additionally, the band 2 200 – 2 290 MHz can support payload data downlinks for only a few EESS satellites. These factors require current EESS satellites to be equipped with two transponders: one operating near 2 GHz for TT&C and the other operating at the higher frequencies required for medium- and high-rate payload data downlinks, typically in the band 8 025 – 8 400 MHz. With a suitable EESS Earth-to-space allocation near 8 025 – 8 400 MHz, a single transponder could accommodate both satellite control and payload data downlink requirements.

The band 7 145 – 7 235 MHz is currently allocated to the fixed, mobile and space research (Earth-to-space) services on a primary basis, in accordance with No. 5.460. EESS satellites normally operate in low-Earth orbit. The number of EESS ground stations receivers in the 8 025 – 8 400 MHz band is small and they are usually located at high latitudes. EESS telecommand uplinks and EESS downlink receivers typically share the same ground station locations.

Proposals:

MOD USA/8.2 /1

RESOLUTION 806 (WRC-0712)

~~Preliminary~~ Agenda for the 2015 World Radiocommunication Conference

The World Radiocommunication Conference (Geneva, 200712),

ADD USA/8.2 /2

2.BB to review ITU-R studies on sharing between potential Earth exploration-satellite service (EESS) uplinks and existing services in the band 7 190 – 7 235 MHz, with the view to providing a primary allocation for the EESS (Earth-to-space) in the 7 190 – 7 235 MHz band, in accordance with Resolution [USA-YYY] (WRC-12).

Reasons: To provide a primary allocation to the EESS (Earth-to-space) in the 7 190 – 7 235 MHz band which, when used in conjunction with EESS (space-to-Earth) allocations near 8 GHz, would accommodate both uplinks and high data rate downlinks on the same EESS satellite transponder.

ADD USA/8.2/3

RESOLUTION YYY (WRC-12)

Use of the 7 190 – 7 235 MHz band by the Earth exploration-satellite service (Earth-to-space)

The World Radiocommunication Conference (Geneva, 2012),

considering

- a) that the band 7 145 – 7 235 MHz is allocated to the fixed, mobile and space research (Earth-to-space) services on a primary basis, subject to No. 5.460;
- b) that the bands 8 025 – 8 175 MHz, 8 175 – 8 215 MHz, and 8 215 – 8 400 MHz are allocated to the Earth exploration-satellite service (EESS) (space-to-Earth) worldwide;
- c) that an EESS (Earth-to-space) allocation in the band 7 190 – 7 235 MHz would provide for uplinks and downlinks on the same transponder, increasing efficiency and reducing costs;
- d) that limited bandwidth is available in the bands 2 025 – 2 110 MHz and 2 200 – 2 290 MHz for EESS operations;
- e) that requirements for environmental and climate change data from EESS satellites are increasing,

recognizing

- a) that simplifying satellite design and reducing design and launch costs by incorporating a single transponder on EESS satellites would be beneficial to EESS operators;
- b) that congestion in the 2 025 – 2 110 MHz and 2 220 – 2 290 MHz bands increases the probability of harmful interference, which could contribute to deleterious effects on critical environmental data available only through EESS satellite resources,

further recognizing

- a) that the number of EESS ground stations receivers in the band 8 025 – 8 400 MHz is small and that they are usually located at high latitudes;
- b) that EESS telecommand uplinks and corresponding EESS ground station receivers typically share the same ground station locations,

resolves to invite ITU-R

- 1 to conduct sharing studies between EESS (Earth-to-space) systems and existing services in the band 7 190 – 7 235 MHz;
- 2 to complete the studies as a matter of urgency, taking into account the present use of the allocated band, with a view to presenting, at the appropriate time, the technical basis for the work of WRC-15,

resolves to invite WRC-15

1 to consider a primary allocation to the EESS (Earth-to-space) in the band 7 190 – 7 235 MHz, taking into account the results of ITU-R studies;

2 to consider appropriate modifications to the Table of Frequency Allocations, based on proposals from administrations,

invites administrations

to participate actively in the studies by submitting contributions to ITU-R,

instructs the Secretary-General

to bring this Resolution to the attention of the World Meteorological Organization (WMO) and other international and regional organizations concerned.

Reasons: To support ITU-R studies toward a potential new EESS (Earth-to-space) allocation in the band 7 190 – 7 235 MHz.